

CUSTOMER NO.: 38107

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

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| In re application of |) | Examiner: Yara B. Green |
| Klaus FIEDLER, et al. |) | |
| |) | Art Unit: 2884 |
| Serial No.: 10/595,741 |) | |
| |) | Confirmation: 5598 |
| Filed: March 8, 2007 |) | |
| |) | |
| For: SCINTILLATION LAYER |) | |
| FOR A PET-DETECTOR |) | |
| |) | |
| Date of Last Office Action: |) | |
| April 1, 2008 |) | |
| |) | |
| Attorney Docket No.: |) | Cleveland, OH 44114 |
| PKRZ 2 01327 / PHDE030399US |) | June 30, 2008 |

AMENDMENT A

Commissioner For Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

This paper is responsive to the Office Action of April 1, 2008.

Amendments to the specification begin on page 2.

Amendments to the claims are reflected in the listing of claims which begins on page 3.

Remarks begin on page 6.

CERTIFICATE OF ELECTRONIC TRANSMISSION

I certify that this AMENDMENT is being filed on the date indicated below by electronic transmission with the United States Patent and Trademark Office via the electronic filing system (EFS-Web).

June 30 2008
Date

Patricia A. Heim
Patricia A. Heim

DEPOSIT ACCOUNT

The Patent Office is authorized to charge any fees associated with this filing to our deposit account no. **14-1270**

Douglas B. McKnight
Douglas B. McKnight, Reg. No. 50,447